

# Lead Acid Battery Charger

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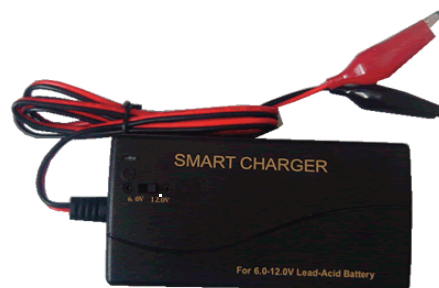
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**PSLA48-6-12**

**6V or 12V 3 Stage Charger**

## Features

- Universal 90-264VAC Input
- IEC320 C14 3 pin AC Input Connector
- Suitable for Charging 7~20Ah Batteries
- Switch Selectable for 6V or 12V Batteries
- Reverse Polarity Protection
- EMC to EN55022'B', CISPR22 'B' & FCC 'B'
- Compact Desk Top Plastic Enclosure
- Optional DC Output Connectors



## Electrical Specification

### INPUT

Input Voltage	90-264VAC 0.8A RMS
Input Frequency	47-63Hz
Maximum Input Power	55 Watts

### OUTPUT

Output Voltage	Nominal 6.9V or 13.8V DC depending on 6V or 12V battery setting
Output Voltage Range	5V to 7.5V DC (6V Battery) 10V to 15V DC (12V Battery)
Battery Type	Suitable for charging 6V or 12V lead acid batteries with ratings of 7~20Ah
Charging Current (Stage 1)	2.9A $\pm$ 0.2A
Charging Voltage (Stage 2)	7.3V or 14.5V $\pm$ 0.25V
Floating Voltage (Stage 3)	6.9V or 13.8V $\pm$ 0.20V
Cut-off Current (Stage 2 $\rightarrow$ 3)	<0.70A $\pm$ 0.05A
Typical Charging Time	8 hours
Maximum Output Power	48 Watts
Ripple Current	100mA (220VAC input, full load output)
Charge Finish Condition	V >7V I <0.7A or V >14V I <0.7A
LED Indicator	Red = Charging, Green = Finish/Idle
Output Protection	Overcurrent, Overvoltage & Reverse Battery Polarity
Efficiency	80% minimum at full load

### ENVIRONMENTAL

Operating Temperature	0 to 40°C, ambient
Storage Temperature	-40°C to +70°C
Relative Humidity	20-90% max operating

### SAFETY & EMC

Safety	UL/cUL1310, EN60335-2-29, EN60335-1 CE
EMI/EMC	CISPR22 'B', FCC Part 15 'B', EN55022 'B'

### MECHANICAL

UL94V-1 plastic enclosure, dimensions 120 x 60 x 38mm, output cable 1.2 metre